

**Form PTO-1449** (modified)Atty. Docket No.  
METR:004Serial No.  
10/668,644

List of Patents and Publications for Applicant's

Applicant  
Dale A. Harrison**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Filing Date:  
September 23, 2003Group:  
UnknownU.S. Patent Documents  
See Page 1Foreign Patent Documents  
N/AOther Art  
N/A**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
<i>ali</i>	A26	US 2004/0150820	8/5/04	Nikoonahad et al.			

**Foreign Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation

Examiner: *[Signature]*Date Considered: *5/10/06*

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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2877U.S. Patent Documents  
See Page 1Foreign Patent Documents  
N/AOther Art  
See Page 1**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
alt	A27	5,781,304	7/14/98	Kotidis et al.			2/14/97
J	A28	2001/0055118A1	12/27/01	Nawracala			12/4/00
J	A29	5,042,949	8/27/91	Greenberg et al.			3/17/89
	A30	3,825,347	7/23/74	Kaiser			8/9/71

**Foreign Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

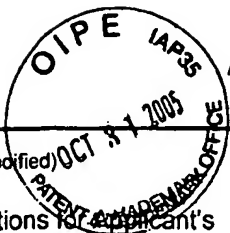
**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
alt	C10	Search Report; PCT/US04/30859; 13 pgs.

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Page 1 of 2

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See PageForeign Patent Documents  
See PageOther Art  
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Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A1						

**Foreign Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						

**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
all	C1	McPherson Product Brochure "Reflectometer for Sample Analysis," McPherson, Inc., Massachusetts, Published Prior to September 23, 2003, 1-2 pps.
	C1A	McPherson Product Brochure "Spectral Reflectometer," McPherson, Inc., Massachusetts, November 12, 2001, 1 pg.
	C2	McPherson Product Brochure "VUVaS Spectrophotometers for 115 nm to >380 nm," McPherson, Inc., Massachusetts, Published Prior to September 23, 2003, 1-4 pps.
	C3	McPherson Product Brochure "VUVaS Spectrophotometers, Made to Measure 115-380 nm," McPherson, Inc., Massachusetts, Published Prior to September 23, 2003, 1-8 pps.
	C4	Acton Research Product Brochure "Acton Research Purged DAMS Optical Measurement System," Acton Research Corporation, Massachusetts, Published Prior to September 23, 2003, 1-2 pps.
	C5	"The Thin Film tool for next generation lithography at 157nm," Web page from <a href="http://www.sopra-sa.com">http://www.sopra-sa.com</a> , Sopra, Printed From Internet On February 19, 2002, 1pg.
	C6	"SE and GXR combined on the same instrument," Web page from <a href="http://www.sopra-sa.com">http://www.sopra-sa.com</a> , Sopra, Printed From Internet on February 19, 2002, 1pg.
	C7	"The ideal Thin Film characterization unit for Development and Pilot Line environment," Web page from <a href="http://www.sopra-sa.com">http://www.sopra-sa.com</a> , Sopra, Printed From Internet on February 19, 2002, 1 pg.

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Page 2 of 2

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<b>Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)</b>		
Exam. Init.	Ref. Des.	Citation
<i>ab</i>	C8	"VUV-VASE™, The Award Winning VUV-VASE™ is the latest addition to our line of Spectroscopic Ellipsometers," Web pages from <a href="http://www.jawoolam.com">http://www.jawoolam.com</a> , J.A. Woollam Company, Nebraska, Printed From Internet on November 5, 2002, 1-2 pps.
<i>ak</i>	C9	"Vacuum UV Spectroscopic Ellipsometers," Web pages from <a href="http://www.sentech.de">http://www.sentech.de</a> , Sentech Instruments, Printed From Internet on February 20, 2002, 1-3 pps.

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See PageOther Art  
See Page 2-3**U.S. Patent Documents**

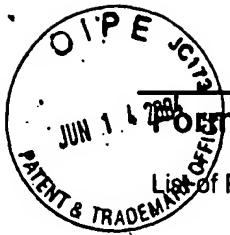
Exam. Injt.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
all	A1	3,091,154	5/28/63	Hall			
	A2	4,899,055	2/6/90	Adams			
	A3	5,608,526	3/4/97	Piwonka-Corle et al.			
	A4	5,747,813	5/5/98	Norton et al.			
	A5	5,798,837	8/25/98	Aspnes et al.			
	A6	5,880,831	3/9/99	Buermann et al.			
	A7	5,900,939	5/4/99	Aspnes et al.			
	A8	5,991,022	4/27/99	Buermann et al.			
	A9	6,128,085	10/3/00	Buermann et al.			
	A10	6,181,427	1/30/01	Yarussi, et al.			
	A11	6,278,519	8/21/01	Rosencwaig et al.			
	A12	6,297,880	10/2/01	Rosencwaig et al.			
	A13	6,304,326	10/16/01	Aspnes et al.			
	A14	6,411,385	6/25/02	Aspnes et al.			
	A15	6,414,302	7/2/02	Freeouf			
	A16	6,417,921	7/9/02	Rosencwaig et al.			
	A17	5,917,594	6/29/99	Norton			
	A18	Re. 34,783	11/8/94	Coates			
	A19	US2002/0149774	10/17/02	McAninch			
	A20	US2002/0154302	10/24/02	Rosencwaig			
	A21	6,261,853	7/17/01	Howell et al.			
	A22	5,182,618	1/26/93	Heinonen			
	A23	3,572,951	3/30/71	Rothwarf et al.			
	A24	US2003/0071996	4/17/03	Wang et al.			

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See Page 1-2Foreign Patent Documents  
See PageOther Art  
See Page 2-3

## U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A25	Unknown		"Vacuum Ultraviolet Optical System for Operation in Ambient Atmosphere" Inventors: Michael J. Mandella & Dale A. Harrison Filed: 9/10/99 (Prior filed US Patent Application - current status unknown)			9/10/99

## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						

## Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)

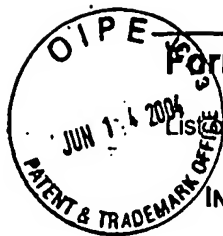
Exam. Init.	Ref. Des.	Citation
al	C1	McPherson Product Brochure "Reflectometer for Sample Analysis," 3 pgs. ✓
	C2	McPherson Product Brochure "VUVaS Spectrophotometers for 115 nm to >380 nm," 4 pgs. ✓
	C3	McPherson Product Brochure "VUVaS Spectrophotometers, Made to Measure 115-380 nm," 8 pgs. ✓
	C4	Acton Research Product Brochure "Acton Research Purged DAMS Optical Measurement System," 2 pgs. ✓
	C5	"The Thin Film tool for next generation lithography at 157nm," Web page from <a href="http://www.sopra-sa.com">http://www.sopra-sa.com</a> , 1pg. ✓
	C6	"SE and GXR combined on the same instrument," Web page from <a href="http://www.sopra-sa.com">http://www.sopra-sa.com</a> , 1pg. ✓

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U.S. Patent Documents

See Page 1-2

Foreign Patent Documents

See Page

Other Art

See Page 2-3

**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

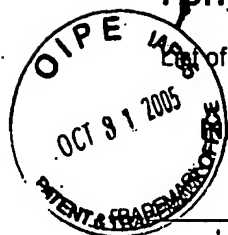
Exam. Init.	Ref. Des.	Citation
al	C7	"The ideal Thin Film characterization unit for Development and Pilot Line environment," Web page from <a href="http://www.sopra-sa.com">http://www.sopra-sa.com</a> , 1 pg.
l	C8	"VUV-VASE™, The Award Winning VUV-VASE™ is the latest addition to our line of Spectroscopic Ellipsometers," Web pages from <a href="http://www.jawoolam.com">http://www.jawoolam.com</a> , 2 pgs. ✓
✓	C9	"Vacuum UV Spectroscopic Ellipsometers," Web pages from <a href="http://www.sentech.de">http://www.sentech.de</a> , 3 pgs. ✓

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Group:

2877

U.S. Patent Documents

See Page 1

Foreign Patent Documents

N/A

Other Art

See Page 1

## U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
ak	A31	6,710,865	3/23/04	Forouhi et al.			9/14/01
	A32	6,313,466	11/6/01	Olsen et al.			5/12/99
	A33	5,607,800	3/4/97	Ziger			2/15/95
	A34	4,984,894	1/15/91	Kondo			8/16/89
	A35	US2002/0030826 A1	3/14/02	Chalmers et al.			7/3/01
	A36	4,368,983	1/18/83	Bennett			11/13/80

## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

## Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
all	C11	Rubloff, "Surface Reflectance Spectroscopy System", Technical Disclosure, Ip.com, <a href="http://www.ip.com">www.ip.com</a> , May 1, 1977, 5 pgs.

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